

CIC #: 99EPA SUPERFUND

Billed Date: 01-May-2011

Customer Order Number DW96957731

DIAMOND HEAD OU1 329881 BZ801

EPA 640

VOUCHER FOR TRANSFERS  
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37- 1)

Mission Assignment No:

D.O. Voucher No.

BU. Voucher No.

Bill No.

Paid By Check No.

Collection Vou. No.

27053242

Partial # 18 01-Apr-2011 Thru 01-May-2011

**Billed Office (Mail To):**

U S ENVIRONMENTAL PROTECTION AGENCY  
ACCOUNTING OPERATIONS OFFICE  
26 W MARTIN LUTHER KING DRIVE  
CINCINNATI OH 45268-7002

**Billing Office (Send Remittance To):**

USACE FINANCE CENTER G5  
KANSAS CITY DISTRICT G5  
5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

**Billed Accounting Classification**

68 NA X 8145.0000 2010 00 0000 012731 0000 00000

**Billing Accounting Classification**

\$9,729.26 96 NA X 3122.0000 G5 08 2416 868 012731 96231

\$9,729.26

Line/Item	Mo	Description	Eaid/No	Amount
1	CONTRACT - OUTSIDE GOVERNMENT	TRANSP OF GOVT EMPLOYEES OR OTHERS, PERDIEM ALLOW IN TVL STATUS & OTH INCIDENTAL TRVL EXP		\$2,797.18
1	INHOUSE - OTHER RESOURCES	SUPERFUND M&S		\$365.08
1	INHOUSE - LABOR	DEPARTMENTAL OVERHEAD COSTS		\$1,996.08
1	INHOUSE - LABOR	GENERAL AND ADMINISTRATIVE OVERHEAD COSTS		\$578.85
1	INHOUSE - LABOR	LABOR		\$3,992.07
Subtotal:				\$9,729.26

**CORPS CERTIFICATION**

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE, AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

4 Jul 11 *Elizabeth A Buckrocker*  
DATE SIGNATURE  
Elizabeth A. Buckrocker  
Project Manager

Funds Authorized: \$174,000.00  
Total Billed Amount: \$103,687.63  
Prev Billed Amount: \$93,958.37  
Current Billed Amount: \$9,729.26  
Total Flux Billed: \$0.00  
Prev Flux Billed: \$0.00  
Current Flux Billed: \$0.00

**CERTIFICATE OF OFFICE BILLED**

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.

Date:

Authorized Administrative or Certifying Officer

\*\*\*\*\*  
Accounts Of  
\*\*\*\*\*  
Facility: Diamond Head Oil  
A/C#: DW96957731-01-0  
RPM: Grisell Diaz-Cotto  
Date: 9/12/2011  
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PROGRESS REPORT

KANSAS CITY DISTRICT  
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

MONTHLY REPORT FOR APRIL 2011

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$103,687.63	\$302,161.74	\$405,849.37
Less Undelivered Orders: (-)	\$380.20	\$743,838.26	\$744,218.46
Less Commitments: (-)	\$24,485.08	\$0.00	\$24,485.08
Funds Available Balance:	\$45,447.09	\$0.00	\$45,447.09

BILLING ACTIVITY (96X3122):

Bill Number: 27053242

Funds Expended During Report Period: \$9,729.26  
Total Billed to Date: \$103,687.63

DIRECT FUND CITE PAYMENTS:

Funds Expended During Report Period: \$16,712.88  
Total Expended to Date: \$302,161.74

## PROGRESS REPORT

KANSAS CITY DISTRICT  
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

Bill Number: 27053242

Bill Invoice Date: 01-MAY-2011

Monthly Billing Amount(96X3122): \$9,729.26

Monthly Direct Fund Cite Contract Cost(68X8145): \$16,712.88

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$2,636.21	\$31,587.09	\$34,223.30
b Fringe Benefits	\$1,355.86	\$16,771.24	\$18,127.10
c Travel	\$2,797.18	\$9,654.16	\$12,451.34
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$365.08	\$5,238.36	\$5,603.44
i Total Direct Charges	\$7,154.33	\$63,250.85	\$70,405.18
j Total Indirect Charges	\$2,574.93	\$30,707.52	\$33,282.45
k TOTAL	\$9,729.26	\$93,958.37	\$103,687.63

## LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
SHELLY M ALLEN	KANSAS CITY DISTRICT	PROGRAM ANALYST	7.00	\$667.00
ELIZABETH BUCKRUCKER	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	23.50	\$2,820.89
GREGORY NE HATTAN	KANSAS CITY DISTRICT	GEOLOGIST	27.50	\$2,466.05

KANSAS CITY DISTRICT  
DIAMOND HEAD OIL REFINERY, NJ

PROGRESS REPORT

LABOR BREAKOUT FOR MONTH:  
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<u>Individual</u>	<u>Location</u>	<u>Function</u>	<u>Hours</u>	<u>Labor Amount</u>
SANDRA A. DODGEN	KANSAS CITY DISTRICT	SECRETARY (OA)	2.00	\$99.45
IAN R BOWEN	KANSAS CITY DISTRICT	GEOLOGIST	2.00	\$115.96
JULIA K KISSER	KANSAS CITY DISTRICT	SUPV GEOLOGIST	2.00	\$267.67
ROBERT M PENDER, JR	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	1.00	\$129.98
TOTAL LABOR:			65.00	\$6,567.00

## Progress Report for EPA Region II

Site:	Diamond Head Oil Refinery, NJ Remedial Design Operable Unit 1		Phase:	Remedial Design – OU1	
Bill No.:	27053242; Partial #18	IAG No.:	DW96957731/BZ801 IAG Award Date: 12/02/09	IAG Expiration Date: 11/30/11	Other Corps P2: 329881/FWI: G0C947
Reporting Period:	From: April 1, 2011	To: May 1, 2011	EPA RPM Grisell Diaz-Cotto	USACE PM Elizabeth Buckrucker	

Work Performed	
<i>This Period</i>	<ul style="list-style-type: none"> <li>Task Order 0004 Invoices. On 4 Apr 11, reviewed and approved Invoice 12, totaling \$16,712.88, for period 29 Jan–25 Feb 11.</li> <li>Funding. Future requirements require additional discussion and decisions regarding both bench scale testing and OU2 sampling impacts before needs are identified. No short term funding needs.</li> <li>Pre-Design Investigation (PDI). <ul style="list-style-type: none"> <li>From 5-7 Apr 11, project team traveled to NY for meeting with EPA Region 2. The purpose of the meeting on 6 Apr 11 was to discuss the findings to date of the Phase 1 Bench Scale and planning for the Phase 2 Bench Scale.</li> <li>On 9 Apr 11, received draft meeting notes from J. Hess. Reviewed and provided comments on 10 Apr 11.</li> <li>Coordinated with internal team to review notes and had internal discussions regarding the planning of Phase 2 Bench Scale. Provided feedback to EPA and CH2.</li> <li>On 10 Apr 11, distributed draft comments on the Bench Scale Status Report #1 to internal team for review and confirmation. Additional comments received from I. Bowen. Review underway by G. Hattan, expect comments to be complete during the next reporting period.</li> <li>On 12 Apr 11, received draft Phase 2 set information from CH2 and conference call held to discuss the Phase 2 Bench Scale setup. Summarized the call notes and distributed to team. Issues to resolve include: <ul style="list-style-type: none"> <li>Size and number of columns</li> <li>Number of sampling events per column</li> <li>Analysis to run</li> <li>Cost analysis for best combination</li> <li>Action from call was for G. Hattan and T. Palaia to discuss these issues and present recommendations to the team.</li> </ul> </li> <li>On 13 Apr 11, reviewed and provided comment on the Phase 2 proposed column setup.</li> <li>On 15 Apr 11, provided summary of items for further discussion/decisions to EPA and CH2 regarding the Phase 2 setup proposal. Continued to coordinate the setup table and presentation with M. Niemet from 15 Apr through the remainder of the reporting period.</li> <li>On 18 Apr 11, I. Bowen prepared Trip Report and submitted internally as part of his intern program.</li> <li>On 20 Apr 11, G. Hattan and T. Palaia discussed the action items and provided backbrief.</li> <li>On 21 Apr 11, conference call held during which the backbrief was presented and further Phase 2 Bench Scale discussion was held. Some of the questions were tabled until further bench scale results were obtained. An action from this call was to seek an outside expert to provide an opinion on the bench scale results. Dr. John Wilson of EPA was considered and EPA will contact him for interest and ability to assist.</li> </ul> </li> <li>Schedule. The current project schedule is dated 30 Nov 10. Further updates are pending decisions on some of the changes to project tasks. Anticipate update in next reporting period or shortly thereafter.</li> <li>Contract Task Order 0004. No contract actions during the reporting period.</li> <li>Preparation of Progress Report and Project Expenditures spreadsheet.</li> </ul>
<i>Key Meetings This Period</i>	<ul style="list-style-type: none"> <li>Meetings and conference calls held are noted in progress portions of this report.</li> </ul>

### Progress Report for EPA Region II

<i>Key Contract Milestones Completed to Date</i>	<ul style="list-style-type: none"> <li>• 2 Dec 2009; New IA funding received totaling \$300,000</li> <li>• 10 Feb 2010; Base Task Order 0002 awarded, totaling \$255,000.</li> <li>• 6 Apr 2010, IA Amendment #1 funding received totaling \$170,000; for total IA value of \$470,000.</li> <li>• 13 Aug 2010, Task Order 0002, Modification 1 was awarded for \$141,000.</li> <li>• 29 Sep 2010; IA Amendment #2 funding received totaling \$750,000; for total IA value of \$1,220,000.</li> <li>• 2 Nov 2010; Task Order 0002; Modification 2 was awarded for \$650,000</li> </ul>
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<i>Contractor Actions/Accomplishments</i>	<ul style="list-style-type: none"> <li>• Management tasks included communication and invoicing.</li> <li>• Participated in project status meeting for Phase 1 Bench Scale and follow on conference calls. Prepared recommendations for meeting and for subsequent conference calls. Developed setup recommendations for Phase 2 Bench Scale.</li> <li>• Provided notes and minutes from meetings and conference calls.</li> <li>• Continue to implement the bench scale test and weekly sampling.</li> <li>• Details of the CH2 work during this period are contained in the CH2M Hill Progress Report Number 14 for April 2011.</li> </ul>
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Projected Work, Meetings Milestones through next FY.	
<i>Narrative</i>	<ul style="list-style-type: none"> <li>• Work planned for FY11 and completed actions to date includes:               <ul style="list-style-type: none"> <li>○ Pre-Design Investigation LNAPL Sampling (occurred 27 Sep 10 – 1 Oct 10)</li> <li>○ Phase 1 Bench Scale Study (began 12 November 2010)                   <ul style="list-style-type: none"> <li>▪ PLFA Analysis (results received in March 2011 on Phase 1 bench scale)</li> </ul> </li> <li>○ 31 Mar 11. Phase 1 Bench Scale report/</li> <li>○ Pending - Phase 2 Bench Scale plan</li> <li>○ Pre-Design Field Investigation (on hold)</li> </ul> </li> </ul>
<i>Meetings</i>	<ul style="list-style-type: none"> <li>• TBD; no specific meetings set</li> </ul>
<i>Key Milestones Forthcoming</i>	<ul style="list-style-type: none"> <li>• 5 May 2010 –Final Data Needs Technical Memorandum submitted (complete)</li> <li>• 31 Aug 2010 –Final Pre-Design Investigation Work Plan submitted (complete)</li> <li>• <b>The below dates are interim milestones and future estimates will be made as the schedule continues to evolve with changes in the planned approach for both Phase 1 and 2 bench scale test.</b></li> <li>• 24 January 2011: Received Phase 1 bench scale (month 1) results</li> <li>• 23 February 2011: Received final dioxin results from bench scale soils (collected under OU2).</li> <li>• 31 March 2011: Received Status Report 2 Bench Scale Technical Memorandum.</li> <li>• 6 April 2011: Meeting held to discuss Phase 1 Results/Phase 2 discussion and decision</li> </ul>

Issues	
<i>Technical:</i>	<ul style="list-style-type: none"> <li>• Phase 1 Bench Scale technical issues which are currently being discussed among the team:               <ul style="list-style-type: none"> <li>○ High Soil pH</li> <li>○ CO2 production minimal</li> <li>○ VOC levels not decreasing</li> </ul> </li> </ul>
<i>Schedule:</i>	<ul style="list-style-type: none"> <li>• The current schedule is dated 30 November 2010 and does not reflect the current status. The update will occur when more Phase 1 information is available to make future decisions on bench scale tests and other analysis occurring.</li> </ul>
<i>Funding:</i>	<ul style="list-style-type: none"> <li>• No immediate funding needs. Future funding requirements will be determined as the bench scale progresses and the timing of future tasks are more clearly determined. Do not anticipate additional funding needed in FY11.</li> </ul>

## Progress Report for EPA Region II

IAG Summary						
Amendment Funding				Cumulative Funding		
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
\$45,000	\$255,000	Initial	12/2/09	-	-	\$300,000
\$29,000	\$141,000	1	4/6/10	\$74,000	\$396,000	\$470,000
\$100,000	\$650,000	2	9/29/10	\$174,000	\$1,046,000	\$1,220,000

Expenditures: USACE and Direct Fund Cite				
Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Not Disbursed
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004 - awarded 10 Feb 10	\$255,000.00	\$16,712.88	\$302,161.74	-\$47,161.74
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 1 - awarded 13 Aug 10	\$141,000.00	\$0.00	\$0.00	\$141,000.00
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 2 - awarded 2 Nov 10	\$650,000.00	\$0.00	\$0.00	\$650,000.00
<b>Subtotal - Summary of DFC Contract Dollars</b>	<b>\$1,046,000.00</b>	<b>\$16,712.88</b>	<b>\$302,161.74</b>	<b>\$743,838.26</b>
Kansas City Corps In-House Labor/Travel	\$156,900.00	\$9,364.18	\$98,084.19	\$58,815.81
Superfund M&S Fee	\$17,100.00	\$365.08	\$5,603.44	\$11,496.56
<b>Subtotal - Labor/M&amp;S</b>	<b>\$174,000.00</b>	<b>\$9,729.26</b>	<b>\$103,687.63</b>	<b>\$70,312.37</b>
<b>Grand Total - Contract/Corps</b>	<b>\$1,220,000.00</b>	<b>\$26,442.14</b>	<b>\$405,849.37</b>	<b>\$814,150.63</b>

## IAG Project Description (block 12 of IA)

Base IA: USACE Kansas City District (DOD964126) to perform Remedial Design activities for Operable Unit 1 at the Diamond Head Oil Superfund Site (EPA Site D#NJ092226000).

## Project Delivery Team

Name	Contact Information	Responsibility
Beth Buckrucker	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Greg Hattan	(816) 389-3579	Project Geologist
Dave Evans	(816) 389-3857	Project Chemist
Jason L'Ecuier	(816) 389-3908	Project Process Engineer
Bonnie Lowe	(816) 389-3803	Contract Specialist
Trudy Shannon	(816) 389-3822	Contracting Officer
Scott Young	(816) 389-3589	Contracting Officer Representative

Prepared by:  
Elizabeth Buckrucker  
Project Manager  
1 Sep 2011